

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which

is claimed and for which a patent is sought on the invention entitled:

**DYNAMIC MEMORY WORD LINE DRIVER SCHEME**

(check one) ☒ Is attached hereto.

the specification of which

☐ was filed on

19

as Serial No.

and was amended on

19

(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, 11.36(a). I hereby claim foreign priority benefits under Title 35, United States Code, 112 of any foreign application(s) for patent or inventor's certificate filed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

9007790.0

United Kingdom

06 04 90

Priority Claimed

(Application No.)

(Country)

(Day/Month/Year Filed)

☒ ☐ No

(unknown)

United Kingdom

06 04 91

☒ ☐ No

(Application No.)

(Country)

(Day/Month/Year Filed)

I hereby appoint Donald R. Antonelli, Reg. No. 20,296; David T. Terry, Reg. No. 20,170; Melvin Kraus, Reg. No. 22,466; Stanley A. Wal, Reg. No. 26,432; David S. Safran, Reg. No. 27,997; William I. Solomon, Reg. No. 20,565 and Gregory E. Montone, Reg. No. 20,141 my attorneys to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Send correspondence to Antonelli, Terry, Stout & Kraus, Suite 600, 1919 Pennsylvania Avenue, N.W., Washington, D.C., 20006, U.S.A. -- Tel. (202) 828-03

I hereby claim the benefit under Title 35, United States Code, 112 of any United States application(s) filed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, 11.36(a) which occurred between the filing date of the prior application and the national or PCT International filing date of this application.

(Application Serial No.)

(Filing Date)

(Status — patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status — patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor: **Valerie L. Lines**

Inventor's signature: *Valerie Lines*

Date: **26 March 91**

Residence: **228 Royal Avenue, Ottawa, Ontario, Canada, K2A 1T7**

Citizenship: **Canadian**

Post Office Address: **228 Royal Avenue, Ottawa, Ontario, Canada, K2A 1T7**

Full name of second joint inventor, if any:

Second inventor's signature:

Date:

Residence:

Citizenship:

Post Office Address:

Full name of third joint inventor, if any:

Third inventor's signature:

Date:

Residence:

Citizenship:

Post Office Address:

(Supply similar information and signature for fourth and subsequent joint inventors.)

No Legislation Necessary

Approved Single or Joint Signatures Form

**COPY FOR CONTINUING APPLICATION**

**BEST AVAILABLE COPY**

**POWER OF ATTORNEY OR  
AUTHORIZATION OF AGENT AND  
CORRESPONDENCE ADDRESS**

Application Number	10/463,194
Filing Date	June 17, 2003
First Named Inventor	Valerie L. Lines
Confirmation Number	8832
Group Art Unit	
Examiner Name	
Attorney Docket Number	2037.1006-011

Title	DYNAMIC MEMORY WORD LINE DRIVER SCHEME
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I/We hereby appoint

☒ the attorneys/agents associated with **Customer No. 021005**☐ Practitioner(s) named below:  
\_\_\_\_\_  
\_\_\_\_\_

as my/our attorneys/agents to prosecute the application identified above, including any continuation or divisional applications thereof, and to transact all business in the United States Patent and Trademark Office connected therewith.

The correspondence address for the above-identified application is:

☒ Customer Number 021005

Hamilton, Brook, Smith &amp; Reynolds, P.C.

530 Virginia Road

P.O. Box 9133

Concord, Massachusetts 01742-9133

☐ Other \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Please direct all telephone calls and facsimiles to:

Name James M. Smith, Esq. Tel. No. 978-341-0036 Fax No. 978-341-0136

I am the:

☐ Applicant/Inventor.☒ Authorized representative of the Assignee, MOSAID Technologies, Inc., of the entire interest. See 37 C.F.R. § 3.71. A Statement under 37 C.F.R. § 3.73(b) is enclosed.☐ Authorized representative of the Assignee, [ ], together with [ ], of the entire interest. A Statement under 37 C.F.R. § 3.73(b) is enclosed.**SIGNATURE of Applicant or Assignee of Record**

Name &amp; Title

MICHAEL B. VLADESCO

Signature

Date

18-Aug-03

STATEMENT UNDER 37 C.F.R. § 3.73(b)Applicant: Valerie L. LinesApplication No.: 10/463,194 Filed: June 17, 2003For: Dynamic Memory Word Line Driver SchemeMOSAID Technologies, Inc.

(Name of Assignee)

, a corporation

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is

- A. ☒ the assignee of the entire right, title and interest in the patent application identified above; or
- B. ☐ an assignee together with ☐ of the entire right, title and interest in the patent application identified above.

The right, title and interest of the above-named assignee in the patent application identified above is established by virtue of:

- A. ☒ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel 7185, Frames 0598-0602A, or a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s) of the patent application identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Date: 18-Aug-03Name: MICHAEL B. VLADESCUTitle: Director, Intellectual PropertySignature: [Signature]

MOS9502A.POA  
JMS46.wp  
JMS/cjh  
04/29/96

PATENT APPLICATION  
DOCKET NO.: MOS95-02A

COPY FOR CONTINUING  
APPLICATION

COPY

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Valerie L. Lines

Patent No.: 5,214,602

Issued: May 25, 1993

Title: DYNAMIC MEMORY WORD LINE DRIVER SCHEME

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Honorable Commissioner of Patents and Trademarks, Washington D.C. 20231	
on <u>5 2 96</u>	<u>[Signature]</u>
Date	Signature
<u>Valerie L. Lines</u>	
Typed or printed name of person signing certificate	

REVOCATION OF POWERS OF ATTORNEY  
AND APPOINTMENT OF NEW ATTORNEYS  
AND CHANGE OF CORRESPONDENCE ADDRESS

Box M Fee  
Honorable Commissioner of  
Patents and Trademarks  
Washington, D.C. 20231

Sir:

Mosaid Technologies, Incorporated, Ontario, Canada, is the assignee of the above identified application. Mosaid Technologies, Incorporated hereby appoints

David E. Brook  
James M. Smith  
Leo R. Reynolds

Registration No. 22,592  
Registration No. 28,043  
Registration No. 20,884

COPY

-2-

Richard A. Wise  
Patricia Granahan  
Mary Lou Wakimura  
Thomas O. Hoover  
Alice O. Carroll  
N. Scott Pierce

Registration No. 18,041  
Registration No. 32,227  
Registration No. 31,804  
Registration No. 32,470  
Registration No. 33,542  
Registration No. 34,900

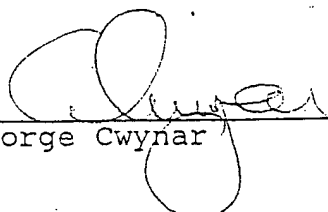
all of Hamilton, Brook, Smith & Reynolds, P.C., Two Militia Drive, Lexington, Massachusetts 02173, as attorneys to prosecute the above-identified application and any divisions or continuations thereof and to conduct all business in the United States Patent and Trademark Office. All previously granted Powers of Attorney are hereby revoked.

Certification under 37 C.F.R. §3.73(b) is submitted herewith.

All correspondence should be sent to James M. Smith, Esq., Hamilton, Brook, Smith & Reynolds, P.C., Two Militia Drive, Lexington, Massachusetts 02173. Please direct all telephone calls to (617) 861-6240.

Respectfully submitted,  
Mosaid Technologies, Incorporated

By

  
George Cwynar

Title President

Date

08 May, 1996

CERTIFICATE UNDER 37 C.F.R. § 3.15(b)**COPY**Applicant(s): Valerie L. Lines

Application No.: 07/680,746 Filed: April 5, 1991  
 Patent No.: 5,214,602 Issued: May 25, 1993  
 For: DYNAMIC MEMORY WORD LINE DRIVER SCHEME

Mosaid Technologies Incorporated, a Corporation

(Name of Assignee)

(Type of Assignee, e.g. corporation, partnership, university, government agency, etc.)

certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

A. ☐ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B. ☒ A chain of title from the inventor(s) of the patent application identified above, to the current assignee as shown below:

1. From: Mosaid Inc. To: Mosaid Technologies Incorporated.  
 The document was recorded in the Patent and Trademark Office at  
 Reel 7185, Frame 0598, or for which a copy thereof is attached.

2. From: Valerie L. Lines To: Mosaid Inc.  
 The document was recorded in the Patent and Trademark Office at  
 Reel 5669, Frame 766, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_  
 The document was recorded in the Patent and Trademark Office at  
 Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are attached.

☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 08 May, 1996Name: George CwynarTitle: PresidentSignature: 